

## Refine Search

### Search Results -

Term	Documents
(15 AND 13).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4
(L15 AND L13 ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4

Database:

US Pre-Grant Publication Full-Text Database  
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 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L16

Refine Search

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### Search History

DATE: Thursday, November 17, 2005    [Printable Copy](#)    [Create Case](#)

Set Name   Query  
 side by side

Hit Count

Set  
Name  
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;  
 OP=AND

<u>L16</u>	L15 and L13	4	<u>L16</u>
<u>L15</u>	L4 same ((RNA adj polII) or Rosa or (beta adj actin))	53	<u>L15</u>
<u>L14</u>	L13 same (glial or GRP)	7	<u>L14</u>
<u>L13</u>	L5 same (precursor or progenitor)	609	<u>L13</u>
<u>L12</u>	L11 and (lipofection)	109	<u>L12</u>
<u>L11</u>	L10 not L6	198	<u>L11</u>
<u>L10</u>	L9 and (PDGF)	222	<u>L10</u>
<u>L9</u>	L8 and ((RNA adj polII) or Rosa or (beta adj actin))	807	<u>L9</u>
<u>L8</u>	L7 and (glial or astrocytes or oligodendrocyte)	3542	<u>L8</u>
<u>L7</u>	L4 and (progenitor or precursor)	15176	<u>L7</u>
<u>L6</u>	L5 and (glial adj (progenitor or precursor))	50	<u>L6</u>

<u>L5</u>	L4 same (stem or progenitor or precursor)	7379	<u>L5</u>
<u>L4</u>	(homologous adj recombination)	24751	<u>L4</u>
<u>L3</u>	(homologous adjd recombination)	0	<u>L3</u>
<u>L2</u>	L1 and (homologous adj recombination)	2	<u>L2</u>
<u>L1</u>	Rao-Mahendra-S\$.in.	30	<u>L1</u>

END OF SEARCH HISTORY



Day : Thursday  
Date: 11/17/2005

Time: 14:42:15

## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name**

**First Name**

To go back use Back button on your browser toolbar.

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Day : Thursday  
Date: 11/17/2005

Time: 14:42:15

## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name**

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## Welcome to DialogClassic Web(tm)

Dialog level 05.08.03D  
Last logoff: 09nov05 16:57:03  
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\*\*\* ANNOUNCEMENT \*\*\*  
\*\*\*

--UPDATED: Important Notice to Freelance Authors--  
See HELP FREELANCE for more information  
\*\*\*

## NEW FILES RELEASED

\*\*\*Index Chemicus (File 302)  
\*\*\*Inspec (File 202)  
\*\*\*Physical Education Index (File 138)  
\*\*\*Computer and Information Systems Abstracts (File 56)  
\*\*\*Electronics and Communications Abstracts (File 57)  
\*\*\*Solid State and Superconductivity Abstracts (File 68)  
\*\*\*ANTE: Abstracts in New Technologies (File 60)  
\*\*\*

## RELOADS COMPLETED

\*\*\* The 2005 reload of the CLAIMS files (Files 340, 341, 942)  
is now available online.

## RESUMED UPDATING

\*\*\*ERIC (File 1)  
\*\*\*

Chemical Structure Searching now available in Prous Science Drug Data Report (F452),  
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein  
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus  
(File 302).

\*\*\*

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<  
\*\*\*\*

KWIC is set to 50.  
HIGHLIGHT set on as ' '  
\* \* \*

File 1:ERIC 1966-2005/Oct.  
(c) format only 2005 Dialog

Set	Items	Description
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Cost is in DialUnits  
?

B 155, 5, 73  
17nov05 17:07:22 User259876 Session D818.1  
\$0.80 0.228 DialUnits File1  
\$0.80 Estimated cost File1  
\$0.06 INTERNET  
\$0.86 Estimated cost this search  
\$0.86 Estimated total session cost 0.228 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2005/Nov 15  
(c) format only 2005 Dialog

\*File 155: Completed records will cease to update on 16 November. Please  
see HELP NEWS 154 for details.

File 5:Biosis Previews(R) 1969-2005/Nov W2  
(c) 2005 BIOSIS

File 73:EMBASE 1974-2005/Nov 17  
(c) 2005 Elsevier Science B.V.

Set	Items	Description
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?

S (HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)  
     278452 HOMOLOGOUS  
     131776 RECOMBINATION  
     19388 HOMOLOGOUS (W) RECOMBINATION  
     2583659 GENE  
     168667 TARGETING  
     33706 GENE (W) TARGETING  
   S1 51150 (HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)

?

S S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))  
     51150 S1  
     77695 PROGENITOR  
     242726 PRECURSOR  
     105615 GLIAL  
     391654 STEM  
     46 GLIAL (W) STEM  
   S2 620 S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))

?

S S2 NOT PY>2003  
     620 S2  
     2858738 PY>2003  
   S3 530 S2 NOT PY>2003

?

RD  
 ...examined 50 records (50)  
 ...examined 50 records (100)  
 ...examined 50 records (150)  
 ...examined 50 records (200)  
 ...examined 50 records (250)  
 ...examined 50 records (300)  
 ...examined 50 records (350)  
 ...examined 50 records (400)  
 ...examined 50 records (450)  
 ...examined 50 records (500)  
 ...completed examining records  
   S4 230 RD (unique items)

?

S S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)  
     230 S4  
     105615 GLIAL  
     62663 ASTROCYTES  
     18166 OLIGODENDROCYTES  
   S5 3 S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)

?

T S5/3,K/ALL

5/3,K/1 (Item 1 from file: 155)  
 DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

12150328 PMID: 9453363

**Emx2 developmental expression in the primordia of the reproductive and excretory systems.**

Pellegrini M; Pantano S; Lucchini F; Fumi M; Forabosco A  
Dipartimento di Scienze Morfologiche e Medico Legali, Modena, Italy.  
massimop@unimo.it  
Anatomy and embryology (GERMANY) Dec 1997, 196 (6) p427-33, ISSN  
0340-2061 Journal Code: 7505194  
Publishing Model Print  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

... Our knowledge about the molecular mechanisms controlling the differentiation of these diverse structures from the same precursor has taken advantage of gene expression data and **gene - targeting** experiments using genes with a specific expression pattern in the urogenital system. A more detailed function in kidney development has been postulated for transcription factors such as WT-1, Pax-2 or other molecules such as **glial** cell line-derived neurotrophic factor (GDNF), Wnt-4, c-ret. In the present work we have described the expression pattern of the homeobox-containing gene...

**5/3,K/2 (Item 2 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

11672497 PMID: 8989772

**The role of the insulin-like growth factors in the central nervous system.**

D'Ercole A J; Ye P; Calikoglu A S; Gutierrez-Ospina G  
Department of Pediatrics CB# 7220, University of North Carolina, Chapel Hill 27599-7220, USA.  
Molecular neurobiology (UNITED STATES) Dec 1996, 13 (3) p227-55,  
ISSN 0893-7648 Journal Code: 8900963  
Contract/Grant No.: HD08299; HD; NICHD; T32 DK07129; DK; NIDDK  
Publishing Model Print  
Document type: Journal Article; Review  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

... peaks of IGF expression. In vitro IGF-I has been shown to stimulate the proliferation of neuron progenitors and/or the survival of neurons and **oligodendrocytes**, and in some cultured neurons, to stimulate function. Transgenic (Tg) mice that overexpress IGF-I in the brain exhibit postnatal brain overgrowth without anatomic abnormality...

... an inhibitor of IGF action when present in molar excess, manifest postnatal brain growth retardation, and mice with ablated IGF-I gene expression, accomplished by **homologous recombination**, have brains that are 60% of normal size as adults. Taken together, these in vivo studies indicate that IGF-I can influence the development of...

**5/3,K/3 (Item 3 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

10339871 PMID: 8221886

**Mammalian achaete-scute homolog 1 is required for the early development of olfactory and autonomic neurons.**

Guillemot F; Lo L C; Johnson J E; Auerbach A; Anderson D J; Joyner A L  
Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto, Canada.

Cell (UNITED STATES) Nov 5 1993, 75 (3) p463-76, ISSN 0092-8674  
Journal Code: 0413066  
Publishing Model Print  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

... supporting cells are present. In sympathetic ganglia, the mutation arrests the development of neuronal precursors, preventing the generation of sympathetic neurons, but does not affect **glial precursor** cells. These observations suggest that Mash-1, like its Drosophila homologs of the AS-C, controls a basic operation in development of neuronal progenitors in ...

?

Set	Items	Description
S1	51150	(HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)
S2	620	S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))
S3	530	S2 NOT PY>2003
S4	230	RD (unique items)
S5	3	S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)

?

S S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))

230	S4
1541853	RNA
286	POLII
18	RNA(W)POLII
5934	ROSA
1703169	BETA
158384	ACTIN
12005	BETA(W)ACTIN

S6 0 S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))

?

S S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA (W) ACTIN (W) LOCUS))

230	S4
1541853	RNA
21640	POL
1476745	II
488	RNA(W)POL(W)II
5934	ROSA
260489	LOCUS
2	ROSA(W)LOCUS
1703169	BETA
158384	ACTIN
260489	LOCUS
20	BETA(W)ACTIN(W)LOCUS

S7 0 S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA (W) ACTIN (W) LOCUS))



.

?

S S4 AND (PDGF)  
                   230 S4  
                   25149 PDGF  
           S8          1 S4 AND (PDGF)

?

T S8/3,K/ALL

8/3,K/1 (Item 1 from file: 155)  
 DIALOG(R) File 155:MEDLINE(R)  
 (c) format only 2005 Dialog. All rts. reserv.

13743318 PMID: 11401402

**IGF-I synergizes with FGF-2 to stimulate oligodendrocyte progenitor entry into the cell cycle.**

Jiang F; Frederick T J; Wood T L  
 Department of Neuroscience and Anatomy, Pennsylvania State University  
 College of Medicine, Hershey, Pennsylvania 17033, USA.

Developmental biology (United States) Apr 15 2001, 232 (2) p414-23,  
 ISSN 0012-1606 Journal Code: 0372762

Contract/Grant No.: NS37560; NS; NINDS

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

...utilized the O-2A oligodendrocyte progenitor to study the mechanism of IGF-I mitogenic actions since these progenitors respond to IGF-I in vitro, and **gene targeting** studies in mice have demonstrated that IGF-I is essential for normal oligodendrocyte development in vivo. The goal of this study was to elucidate the...

...in the context of other mitogens critical for their proliferation. Results presented here show that IGF-I significantly amplified the actions of FGF-2 and **PDGF** to promote DNA synthesis in O-2A progenitors. Investigation of cell cycle kinetics revealed that IGF-I had no significant effect on the rate of...

...2A progenitors into the S phase of the cell cycle. These studies support a role for IGF-I as a cell cycle progression factor for **progenitor** cells.

Copyright 2001 Academic Press.

?

Set	Items	Description
S1	51150	(HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)
S2	620	S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))
S3	530	S2 NOT PY>2003
S4	230	RD (unique items)
S5	3	S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)
S6	0	S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))
S7	0	S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA - (W) ACTIN (W) LOCUS))
S8	1	S4 AND (PDGF)

?

S S4 (S) (MESENCHYMAL (W) STEM)  
                   230 S4

51516 MESENCHYMAL  
 391654 STEM  
 S9 0 S4 (S) (MESENCHYMAL (W) STEM)

?

Set	Items	Description
S1	51150	(HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)
S2	620	S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))
S3	530	S2 NOT PY>2003
S4	230	RD (unique items)
S5	3	S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)
S6	0	S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))
S7	0	S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA - (W) ACTIN (W) LOCUS))
S8	1	S4 AND (PDGF)
S9	0	S4 (S) (MESENCHYMAL (W) STEM)

?

S S4 AND (RNA (W) POLR2A (W) LOCUS)  
 230 S4  
 1541853 RNA  
 12 POLR2A  
 260489 LOCUS  
 0 RNA(W) POLR2A(W) LOCUS  
 S10 0 S4 AND (RNA (W) POLR2A (W) LOCUS)

?

S S4 AND (LIPOFECTION OR LIPOTRANSFECTION OR LIPOFECTAMINE)  
 230 S4  
 1441 LIPOFECTION  
 26 LIPOTRANSFECTION  
 1713 LIPOFECTAMINE  
 S11 0 S4 AND (LIPOFECTION OR LIPOTRANSFECTION OR LIPOFECTAMINE)

?

Set	Items	Description
S1	51150	(HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)
S2	620	S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))
S3	530	S2 NOT PY>2003
S4	230	RD (unique items)
S5	3	S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)
S6	0	S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))
S7	0	S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA - (W) ACTIN (W) LOCUS))
S8	1	S4 AND (PDGF)
S9	0	S4 (S) (MESENCHYMAL (W) STEM)
S10	0	S4 AND (RNA (W) POLR2A (W) LOCUS)
S11	0	S4 AND (LIPOFECTION OR LIPOTRANSFECTION OR LIPOFECTAMINE)

?

T S4/3,K/1-10

4/3,K/1 (Item 1 from file: 155)  
 DIALOG(R) File 155:MEDLINE(R)  
 (c) format only 2005 Dialog. All rts. reserv.

17422069 PMID: 15335687

One-step site-directed mutagenesis of the Kex2 protease oxyanion hole.

Brenner C; Bevan A; Fuller R S  
Department of Biochemistry, Stanford University School of Medicine,  
Stanford, California 94305, USA.  
Current biology - CB (England) Aug 1 1993, 3 (8) p498-506, ISSN  
0960-9822 Journal Code: 9107782  
Publishing Model Print  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: PubMed not MEDLINE

...the conserved oxyanion-hole asparagine (Asn 314) of the Kex2 protease.  
To do this, we have developed a rapid method of site-directed mutagenesis,  
involving **homologous recombination** of a polymerase chain reaction  
product in yeast. Using this method, we have substituted alanine or  
aspartate for Asn 314 in a form of Kex2...

4/3,K/2 (Item 2 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2005 Dialog. All rts. reserv.

15238109 PMID: 15010601  
**Physcomitrella patens as a model for the study of chloroplast protein  
transport: conserved machineries between vascular and non-vascular plants.**  
Hofmann Nancy Rosenbaum; Theg Steven M  
Section of Plant Biology, University of California at Davis, One Shields  
Avenue, Davis, CA 95616, USA.  
Plant molecular biology (Netherlands) Nov 2003, 53 (5) p621-32,  
ISSN 0167-4412 Journal Code: 9106343  
Publishing Model Print  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

... at least in part, from proteins present in the original endosymbiont.  
Recently the moss *Physcomitrella patens* has gained worldwide attention for  
its ability to undergo **homologous recombination** in the nuclear genome  
at rates unseen in any other land plants. Because of this, we were  
interested to know whether it would be a...

4/3,K/3 (Item 3 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2005 Dialog. All rts. reserv.

15103077 PMID: 14662321  
**Embryonic origins of mammalian hematopoiesis.**  
Baron Margaret H  
Department of Medicine, Molecular, Brookdale Department of Cell and  
Developmental Biology, Ruttenberg Cancer Center, Mount Sinai School of  
Medicine, 1425 Madison Avenue 11-70B, Box 1079, New York, NY 10029, USA.  
margaret.baron@mssm.edu  
Experimental hematology (Netherlands) Dec 2003, 31 (12) p1160-9,  
ISSN 0301-472X Journal Code: 0402313  
Contract/Grant No.: HL 62248; HL; NHLBI; R01 DK 52191; DK; NIDDK  
Publishing Model Print  
Document type: Journal Article; Review; Review, Tutorial  
Languages: ENGLISH

Main Citation Owner: NLM  
Record type: MEDLINE; Completed

... of the hedgehog family of extracellular morphogens, is secreted by visceral endoderm and alone is sufficient to induce hematopoiesis and vasculogenesis in explanted embryos. While **gene targeting** studies in mice support a role for hedgehog signaling in these processes in vivo, they also suggest that additional molecules (perhaps, for example, Wnt proteins ...

**4/3,K/4 (Item 4 from file: 155)**  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2005 Dialog. All rts. reserv.

15057697 PMID: 14610062  
**Defining BMP functions in the hair follicle by conditional ablation of BMP receptor IA.**  
Kobielak Krzysztof; Pasolli H Amalia; Alonso Laura; Polak Lisa; Fuchs Elaine  
Howard Hughes Medical Institute and Laboratory of Mammalian Cell Biology and Development, The Rockefeller University, New York, NY 10021-6399, USA.  
Journal of cell biology (United States) Nov 10 2003, 163 (3) p609-23  
, ISSN 0021-9525 Journal Code: 0375356  
Publishing Model Print  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

Using conditional gene targeting in mice, we show that BMP receptor IA is essential for the differentiation of **progenitor** cells of the inner root sheath and hair shaft. Without BMPRIA activation, GATA-3 is down-regulated and its regulated control of IRS differentiation is...

... to express Lef1, our findings support a model, whereby a sequential inhibition and then activation of BMPRIA is necessary to define a band of hair **progenitor** cells, which possess enough Lef1 and stabilized beta-catenin to activate the hair specific keratin genes and generate the hair shaft.

**4/3,K/5 (Item 5 from file: 155)**  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2005 Dialog. All rts. reserv.

15039170 PMID: 14585360  
**Converging roads: evidence for an adult hemangioblast.**  
Bailey Alexis S; Fleming William H  
BMT & Leukemia Program, Division of Hematology and Medical Oncology, Oregon Health & Science University,., Portland, Ore 97239, USA.  
Experimental hematology (Netherlands) Nov 2003, 31 (11) p987-93,  
ISSN 0301-472X Journal Code: 0402313  
Publishing Model Print  
Document type: Journal Article; Review; Review, Tutorial  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

... and blood vessels. Several lines of investigation demonstrated that

many of the genes activated during early hematopoietic development are also expressed in the vascular endothelium. **Gene - targeting** studies using embryonic stem cells have identified Flk-1, SCL, and Runx-1 as important regulatory molecules that specify both hematopoietic and vascular outcomes. Although...

**4/3,K/6 (Item 6 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

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15019295 PMID: 14563478

**A unique central tryptophan hydroxylase isoform.**

Walther Diego J; Bader Michael

Max Delbrück Center for Molecular Medicine (MDC), Robert-Rossle-Strasse 10, D-13092 Berlin-Buch, Germany.

Biochemical pharmacology (England) Nov 1 2003, 66 (9) p1673-80,

ISSN 0006-2952 Journal Code: 0101032

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... gland. Tryptophan hydroxylase (TPH) catalyzes the rate limiting step in 5-HT synthesis. Until recently, only one gene encoding TPH was described for vertebrates. By **gene targeting**, we functionally ablated this gene in mice. To our surprise, the resulting animals, although being deficient for serotonin in the periphery and in the pineal...

**4/3,K/7 (Item 7 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

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15017748 PMID: 14561778

**Opposing actions of Arx and Pax4 in endocrine pancreas development.**

Collombat Patrick; Mansouri Ahmed; Hecksher-Sorensen Jacob; Serup Palle; Krull Jens; Gradwohl Gerard; Gruss Peter

Department of Molecular Cell Biology, Max-Planck Institute for Biophysical Chemistry, D-37077 Gottingen, Germany.

Genes & development (United States) Oct 15 2003, 17 (20) p2591-603,

ISSN 0890-9369 Journal Code: 8711660

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... PCR approaches. One such transcription factor, Arx, exhibits Ngn3-dependent expression throughout endocrine pancreas development in alpha, beta-precursor, and delta cells. We have used **gene targeting** in mouse embryonic stem cells to generate Arx loss-of-function mice. Arx-deficient animals are born at the expected Mendelian frequency, but develop early...

**4/3,K/8 (Item 8 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

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14912636 PMID: 12902391

**Expression of the transcription factor, tailless, is required for formation of superficial cortical layers.**

Land P W; Monaghan A P

Department of Neurobiology, University of Pittsburgh School of Medicine, Pittsburgh, PA 15261, USA. pland@putt.edu

Cerebral cortex (New York, N.Y. - 1991) (United States) Sep 2003, 13 (9) p921-31, ISSN 1047-3211 Journal Code: 9110718

Contract/Grant No.: MH060774; MH; NIMH; NS41428; NS; NINDS

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... of the ventricular and subventricular zones during neurogenesis. To investigate the role of *tlx* in neocortical development we generated a targeted deletion of *tlx* by **homologous recombination**. Here we compared the lamination, connectivity and patterning of cortical regions in adult *tlx*<sup>-/-</sup> mice and their wild-type littermates. We found first that neocortical...

... loss of *tlx* function most severely affects generation and differentiation of neurons destined for superficial cortical layers. Thus, *tlx* may be important in sustaining the **progenitor** cell population throughout late prenatal development. Establishment of functional cortical areas, and development of basic patterns of thalamocortical and intra-cortical circuits occurs independently of...

4/3,K/9 (Item 9 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

14826809 PMID: 12798290

**Myf5 and MyoD activation define independent myogenic compartments during embryonic development.**

Kablar Boris; Krastel Kirsten; Tajbakhsh Shahragim; Rudnicki Michael A

Department of Anatomy and Neurobiology, Dalhousie University, 5859 University Avenue, B3H 4H7, Halifax, NS, Canada. bkablar@dal.ca

Developmental biology (United States) Jun 15 2003, 258 (2) p307-18, ISSN 0012-1606 Journal Code: 0372762

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... determination because skeletal myoblasts and myofibers are missing in mouse embryos lacking both *Myf5* and *MyoD*. To investigate the fate of *Myf5*:*MyoD*-deficient myogenic **precursor** cells during embryogenesis, we examined the sites of epaxial, hypaxial, and cephalic myogenesis at different developmental stages. In newborn mice, excessive amounts of adipose tissue were found in the place of muscles whose **progenitor** cells have undergone long-range migrations as mesenchymal cells. Analysis of the expression pattern of *Myogenin-lacZ* transgene and muscle proteins revealed that myogenic **precursor** cells were not able to acquire a myogenic fate in the trunk (myotome) nor at sites of *MyoD* induction in the limb buds. Importantly, the...

4/3,K/10 (Item 10 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

14745137 PMID: 12671070

**Protein trans-splicing in transgenic plant chloroplast: reconstruction of herbicide resistance from split genes.**

Chin Hang Gyeong; Kim Gun-Do; Marin Ivan; Mersha Fana; Evans Thomas C; Chen Lixin; Xu Ming-Qun; Pradhan Sriharsa

New England Biolabs, 32 Tozer Road, Beverly, MA 01915-5054, USA.

Proceedings of the National Academy of Sciences of the United States of America (United States) Apr 15 2003, 100 (8) p4510-5, ISSN 0027-8424

Journal Code: 7505876

Publishing Model Print-Electronic

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... tabacum by using Agrobacterium tumefaciens-mediated transformation. The remaining EPSPS gene fragment (EPSPSc) fused to Ic (Ic-EPSPSc) was integrated into the chloroplast genome by **homologous recombination**. Western blot analysis of cell extracts from these plants showed a full-length EPSPS, demonstrating that the EPSPSn-In gene product migrated to the chloroplast...

?

Set	Items	Description
S1	51150	(HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)
S2	620	S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))
S3	530	S2 NOT PY>2003
S4	230	RD (unique items)
S5	3	S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)
S6	0	S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))
S7	0	S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA - (W) ACTIN (W) LOCUS))
S8	1	S4 AND (PDGF)
S9	0	S4 (S) (MESENCHYMAL (W) STEM)
S10	0	S4 AND (RNA (W) POLR2A (W) LOCUS)
S11	0	S4 AND (LIPOFECTION OR LIPOTRANSFECTION OR LIPOFECTAMINE)

?

S S4 AND (GLIAL (W) RESTRICTED (W) PRECURSOR?)

230	S4
105615	GLIAL
297679	RESTRICTED
363874	PRECURSOR?
113	GLIAL(W)RESTRICTED(W)PRECURSOR?

S12 0 S4 AND (GLIAL (W) RESTRICTED (W) PRECURSOR?)

?

Set	Items	Description
S1	51150	(HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)
S2	620	S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))
S3	530	S2 NOT PY>2003
S4	230	RD (unique items)
S5	3	S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)

S6 0 S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))  
 S7 0 S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA -  
 (W) ACTIN (W) LOCUS))  
 S8 1 S4 AND (PDGF)  
 S9 0 S4 (S) (MESENCHYMAL (W) STEM)  
 S10 0 S4 AND (RNA (W) POLR2A (W) LOCUS)  
 S11 0 S4 AND (LIPOFECTION OR LIPOTRANSFECTION OR LIPOFECTAMINE)  
 S12 0 S4 AND (GLIAL (W) RESTRICTED (W) PRECURSOR?)  
 ?

S (RNA (W) POL (W) II (W) LOCUS) OR (ROSA (W) LOCUS)  
 1541853 RNA  
 21640 POL  
 1476745 II  
 260489 LOCUS  
 0 RNA(W) POL(W) II(W) LOCUS  
 5934 ROSA  
 260489 LOCUS  
 2 ROSA(W) LOCUS  
 S13 2 (RNA (W) POL (W) II (W) LOCUS) OR (ROSA (W) LOCUS)  
 ?

RD  
 ...completed examining records  
 S14 2 RD (unique items)  
 ?

S S14 AND (HOMOLOGOUS (W) RECOMBINATION)  
 2 S14  
 278452 HOMOLOGOUS  
 131776 RECOMBINATION  
 19388 HOMOLOGOUS(W)RECOMBINATION  
 S15 0 S14 AND (HOMOLOGOUS (W) RECOMBINATION)  
 ?

T S14/3,K/ALL

14/3,K/1 (Item 1 from file: 5)  
 DIALOG(R)File 5:Biosis Previews(R)  
 (c) 2005 BIOSIS. All rts. reserv.

0015576244 BIOSIS NO.: 200510270744

**High levels of HoxA10 severely impair erythroid development in vivo and cause lethal anemia.**

AUTHOR: Magnusson Mattias (Reprint); Brun Ann C M; Miyake Noriko; Ehinger Mats; Nilsson Eva; Bjorsson Jon Mar; Karlsson Stefan

AUTHOR ADDRESS: Univ Lund Hosp, Dept Pathol, S-22185 Lund, Sweden\*\*Sweden

JOURNAL: Blood 104 (11, Part 1): p759A NOV 16 2004 2004

CONFERENCE/MEETING: 46th Annual Meeting of the

American-Society-of-Hematology San Diego, CA, USA December 04 -07, 2004; 20041204

SPONSOR: Amer Soc Hematol

ISSN: 0006-4971

DOCUMENT TYPE: Meeting; Meeting Poster

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: we generated an inducible system based on the tetracycline transactivator system, by mating our previously published transgenic HOXA10 mouse model with the Rosa26rtTA mouse. The **Rosa** locus is



transcriptionally active in many organs including all hematopoietic tissues. Here we show that we can induce the expression of HOXA10 in the bone marrow...

14/3,K/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0015491589 BIOSIS NO.: 200510186089

**Mice expressing a conditional TGF-beta type I receptor (T beta RI) in fibroblasts recapitulate the histological and biochemical features of systemic sclerosis**

AUTHOR: Sonnylal Sonali (Reprint); de Crombrugghe Benoit

AUTHOR ADDRESS: Univ Texas, MD Anderson Canc Ctr, Houston, TX 77030 USA\*\*  
USA

JOURNAL: FASEB Journal 18 (8, Suppl. S): pC214-C215 MAY 14 2004 2004

CONFERENCE/MEETING: Annual Meeting of the

American-Society-for-Biochemistry-and-Molecular-Biology/8th Congress of the  
International-Union-for-Biochemistry-and-Molecular-Biology Boston, MA, USA  
June 12 -16, 2004; 20040612

SPONSOR: Amer Soc BioChem & Mol Biol

Int Union Biochem & Mol Biol

ISSN: 0892-6638

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: constitutively active T beta RI DNA was inserted 3' to a transcription stop cassette flanked by Lox-P sites and targeted to the ubiquitously expressed **ROSA locus** in mice. These mice were crossed with transgenic mice encoding Cre-recombinase fused to a mutant ligand-binding domain of the estrogen receptor under control...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: ... **ROSA locus**

?

Set	Items	Description
S1	51150	(HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)
S2	620	S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))
S3	530	S2 NOT PY>2003
S4	230	RD (unique items)
S5	3	S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)
S6	0	S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))
S7	0	S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA - (W) ACTIN (W) LOCUS))
S8	1	S4 AND (PDGF)
S9	0	S4 (S) (MESENCHYMAL (W) STEM)
S10	0	S4 AND (RNA (W) POLR2A (W) LOCUS)
S11	0	S4 AND (LIPOFECTION OR LIPOTRANSFECTION OR LIPOFECTAMINE)
S12	0	S4 AND (GLIAL (W) RESTRICTED (W) PRECURSOR?)
S13	2	(RNA (W) POL (W) II (W) LOCUS) OR (ROSA (W) LOCUS)
S14	2	RD (unique items)
S15	0	S14 AND (HOMOLOGOUS (W) RECOMBINATION)

?

S (RNA (W) POLR2A (W) LOCUS)

1541853 RNA

12 POLR2A

260489 LOCUS  
S16 0 (RNA (W) POLR2A (W) LOCUS)  
?

S POLR2A  
S17 12 POLR2A  
?

RD  
...completed examining records  
S18 5 RD (unique items)  
?

T S18/3,K/ALL

18/3,K/1 (Item 1 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2005 Dialog. All rts. reserv.

14644632 PMID: 12560491

**In vivo tumor growth inhibition and biodistribution studies of locked nucleic acid (LNA) antisense oligonucleotides.**

Fluiter Kees; ten Asbroek Anneloor L M A; de Wissel Marit B; Jakobs Marja E; Wissenbach Margit; Olsson Hakan; Olsen Otto; Oerum Henrik; Baas Frank  
Department of Neurogenetics, Academical Medical Center, Meibergdreef 9, 1105 AZ Amsterdam, The Netherlands.

Nucleic acids research (England) Feb 1 2003, 31 (3) p953-62, ISSN 1362-4962 Journal Code: 0411011

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... the biological fate and the efficacy in tumor growth inhibition of antisense oligonucleotides directed against the gene of the large subunit of RNA polymerase II ( **POLR2A** ) that are completely synthesized as LNA containing diester backbones. These full LNA oligonucleotides strongly reduce **POLR2A** protein levels. Full LNA PO ODNs appeared to be very stable compounds when injected into the circulation of mice. Full LNA PO ODNs were continuously...

18/3,K/2 (Item 2 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2005 Dialog. All rts. reserv.

14146848 PMID: 11929820

**Tumor genotype-specific growth inhibition in vivo by antisense oligonucleotides against a polymorphic site of the large subunit of human RNA polymerase II.**

Fluiter Kees; ten Asbroek Anneloor L M A; van Groenigen Marjon; Nooij Marleen; Aalders Maurice C G; Baas Frank  
Neurozintuigen Laboratory, Academical Medical Center, 1105 AZ, Amsterdam, the Netherlands.

Cancer research (United States) Apr 1 2002, 62 (7) p2024-8, ISSN 0008-5472 Journal Code: 2984705R

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM  
Record type: MEDLINE; Completed

... ODNs) that will discriminate between two alleles. We have designed allele-specific phosphorothioate ODNs against the gene of the large subunit of RNA polymerase II ( **POLR2A** ), a gene located in close proximity to the tumor suppressor gene p53, which frequently shows LOH in cancer cells. This report shows that phosphorothioate antisense ODNs directed against **POLR2A** can inhibit tumor growth in vivo as efficiently as a well-described antitumor antisense ODN directed against Ha-ras. In addition, we show that a...

**18/3,K/3** (Item 3 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 2005 Dialog. All rts. reserv.

13386872 PMID: 10344733

**CpG island hypermethylation in human colorectal tumors is not associated with DNA methyltransferase overexpression.**

Eads C A; Danenberg K D; Kawakami K; Saltz L B; Danenberg P V; Laird P W  
Department of Surgery, University of Southern California, School of Medicine, Norris Comprehensive Cancer Center, Los Angeles 90033, USA.

Cancer research (UNITED STATES) May 15 1999, 59 (10) p2302-6, ISSN 0008-5472 Journal Code: 2984705R

Contract/Grant No.: R01 CA 71716; CA; NCI; R01 CA 75090; CA; NCI

Publishing Model Print; Erratum in Cancer Res 1999 Nov 15;59(22) 5860

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

...of CpG island hypermethylation. All three methyltransferases appear to be up-regulated in tumors when RNA levels are normalized using either ACTB (beta-actin) or **POLR2A** (RNA pol II large subunit), but not when RNA levels are normalized with proliferation-associated genes, such as H4F2 (histone H4) or PCNA. The frequency...

**18/3,K/4** (Item 4 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 2005 Dialog. All rts. reserv.

10646429 PMID: 8034326

**Chromosomal localization of human RNA polymerase II subunit genes.**

Acker J; Mattei M G; Wintzerith M; Roeckel N; Depetris D; Vigneron M; Keding C

Laboratoire de Genetique Moleculaire des Eucaryotes (CNRS), Unite 184 (INSERM), Strasbourg, France.

Genomics (UNITED STATES) Apr 1994, 20 (3) p496-9, ISSN 0888-7543  
Journal Code: 8800135

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Gene Symbol: **POLR2A** ; POLR2B; POLR2C; POLR2E; POLR2I

18/3,K/5 (Item 1 from file: 5)  
 DIALOG(R)File 5:Biosis Previews(R)  
 (c) 2005 BIOSIS. All rts. reserv.

0012515028 BIOSIS NO.: 200000233341

**Polymorphisms in the large subunit of human RNA polymerase II as target for allele-specific inhibition**

AUTHOR: ten Asbroek Anneloor LMA; Fluiter Kees; van Groenigen Marjon; Nooij Marleen; Baas Frank (Reprint)

AUTHOR ADDRESS: Neurozintuigen Laboratory, Academic Medical Center, 1000 DE, Amsterdam, Netherlands\*\*Netherlands

JOURNAL: Nucleic Acids Research 28 (5): p1133-1138 March 1, 2000 2000

MEDIUM: print

ISSN: 0305-1048

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

**DESCRIPTORS:**

CHEMICALS & BIOCHEMICALS: ...human **POLR2A** gene {human RNA polymerase II A gene}

?

Set	Items	Description
S1	51150	(HOMOLOGOUS (W) RECOMBINATION) OR (GENE (W) TARGETING)
S2	620	S1 (S) (PROGENITOR OR PRECURSOR OR (GLIAL (W) STEM))
S3	530	S2 NOT PY>2003
S4	230	RD (unique items)
S5	3	S4 AND (GLIAL OR ASTROCYTES OR OLIGODENDROCYTES)
S6	0	S4 (S) ((RNA (W) POLII) OR ROSA OR (BETA (W) ACTIN))
S7	0	S4 AND ((RNA (W) POL (W) II) OR (ROSA (W) LOCUS) OR (BETA - (W) ACTIN (W) LOCUS))
S8	1	S4 AND (PDGF)
S9	0	S4 (S) (MESENCHYMAL (W) STEM)
S10	0	S4 AND (RNA (W) POLR2A (W) LOCUS)
S11	0	S4 AND (LIPOFECTION OR LIPOTRANSFECTION OR LIPOFECTAMINE)
S12	0	S4 AND (GLIAL (W) RESTRICTED (W) PRECURSOR?)
S13	2	(RNA (W) POL (W) II (W) LOCUS) OR (ROSA (W) LOCUS)
S14	2	RD (unique items)
S15	0	S14 AND (HOMOLOGOUS (W) RECOMBINATION)
S16	0	(RNA (W) POLR2A (W) LOCUS)
S17	12	POLR2A
S18	5	RD (unique items)

?

**COST**

17nov05 17:22:32 User259876 Session D818.2  
 \$5.22 1.534 DialUnits File155  
 \$3.96 18 Type(s) in Format 3  
 \$3.96 18 Types  
 \$9.18 Estimated cost File155  
 \$10.74 1.820 DialUnits File5  
 \$0.48 3 Type(s) in Format 95 (KWIC)  
 \$0.48 3 Types  
 \$11.22 Estimated cost File5  
 \$12.77 1.202 DialUnits File73  
 \$12.77 Estimated cost File73  
 OneSearch, 3 files, 4.555 DialUnits FileOS  
 \$4.26 INTERNET

\$37.43 Estimated cost this search

\$38.29 Estimated total session cost 4.784 DialUnits

?

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